

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
29 September 2005 (29.09.2005)

PCT

(10) International Publication Number
WO 2005/090602 A2

(51) International Patent Classification⁷: **C12Q 1/68**

(21) International Application Number: PCT/JP2005/005601

(22) International Filing Date: 18 March 2005 (18.03.2005)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:

60/553,986	18 March 2004 (18.03.2004)	US
60/604,704	27 August 2004 (27.08.2004)	US
60/607,359	7 September 2004 (07.09.2004)	US

(71) Applicant (for all designated States except US): **SUCAMPO AG [CH/CH]**; Graben 5, Zug, CH-CH6300 (CH).

(72) Inventor; and

(75) Inventor/Applicant (for US only): **MASHIMA, Yukihiko** [JP/JP]; 3-6-1, Chuo, Nakano-ku, Tokyo, 1640011 (JP).

(74) Agents: **KAWAMIYA, Osamu et al.**; AOYAMA & PARTNERS, IMP Building, 3-7, Shiromi 1-chome, Chuo-ku, Osaka-shi, Osaka, 5400001 (JP).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— without international search report and to be republished upon receipt of that report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

WO 2005/090602 A2

(54) Title: METHOD FOR DIAGNOSING OR PREDICTING SUSCEPTIBILITY TO OPTIC NUEROPATHY

(57) Abstract: Disclosed is a set of genetic polymorphisms linked to optic neuropathy including glaucoma and Leber's disease. Those polymorphisms are useful for diagnosing and predicting susceptibility to optic neuropathy.